

Laucks⁸¹_{years}

Testing Laboratories, Inc.

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

Certificate

Chemistry, Microbiology, and Technical Services

CLIENT: Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98124
ATTN: Raphael

LABORATORY NO. 17437

DATE: July 17, 1989

PO# M10646

REPORT ON: WATER

SAMPLE

IDENTIFICATION: Submitted 07/10/89 and identified as shown below:

- 1) 7-5-3200-M10646-I
- 2) 7-5-3200-M10646-II
- 3) 7-5-3200-M10646-III
- 4) 7-5-3200-M10646-VI
- 5) 7-5-3200-M10646-V
- 6) 7-5-3200-M10646-IV
- 7) 7-5-3200-M10646-VII
- 8) 7-5-3200-M10646-VIII
- 9) 7-5-3200-M10646-IX
- 10) 7-5-3200-M10646-XII
- 11) 7-5-3200-M10646-XI
- 12) 7-5-3200-M10646-X
- 13) 7-5-3200-M10646-XIII
- 14) 7-5-3200-M10646-XIV

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

	1	2	3	4
Chromium	1.8	1.8	0.78	1.6
Copper	2.0	2.4	0.92	1.3
Nickel	2.6	2.9	0.72	0.90
Zinc	0.12	0.13	0.058	0.068

Cr	1.6	*11%	51%
Cu	2.8	14.3	67%
Ni	2.8	3.6	
Zn	.38		



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AKC-0014965

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LABORATORY NO. 17437

	parts per million (mg/L)			
	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>
	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
Chromium	2.6	2.5	2.0	2.5
Copper	1.8	1.9	1.3	2.8
Nickel	1.2	1.2	0.76	3.7
Zinc	0.074	0.080	0.078	0.26

	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>
	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
Chromium	3.0	1.6	2.5	6.2
Copper	2.8	2.8	1.8	4.2
Nickel	4.2	2.8	2.6	4.9
Zinc	0.24	0.38	0.14	0.34

	<u>M</u>	<u>N</u>
	<u>13</u>	<u>14</u>
Chromium	2.9	0.45
Copper	2.7	0.19
Nickel	2.9	0.29
Zinc	0.32	0.018

Respectfully submitted,

Laucks Testing Laboratories, Inc.

J. M. Owens



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